

Appln. No. 09/921,864
Amdt. Dated December 23, 2003
Reply to Office action dated August 26, 2003

AMENDMENTS TO THE SPECIFICATIONS:

Please replace the paragraph under the heading "ABSTRACT OF DISCLOSURE" with the following amended paragraph:

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A circuit for use in respiration type apparatus using a piezoresistive transducer and wherein the temperature effects on system stabilization are minimized and [.]. ~~In addition, means are provided to reduce system initialization times~~ are reduced. The circuit comprises a differential sensor amplifier response to the output of the piezoresistive transducer, a dc negative feedback circuit connected to the output of the differential amplifier, ~~means~~ an initialization circuit for reducing the initialization time of the circuit, a diode clamp and voltage follower circuit ~~means~~ for clamping the voltage output and a voltage comparator for tracking the circuit operating point and switching its output state when a sudden voltage change caused by a patient breath is detected.

Please replace the first full paragraph on page 3 with the following amended paragraph:

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What is desired is to provide an improved circuit for use in respirator type apparatus wherein a piezoresistive transducer is utilized to sense patient breaths ~~or~~ and wherein temperature effects on circuit stabilization are minimized.

Please replace the first full paragraph on page 4 with the following amended paragraph:

a3 For a better understanding of the present invention as well as other objects and further features thereof, reference is made to the following description which is to be read in conjunction with the accompanying drawing ~~therein~~ wherein.

Please replace a section of the second full paragraph on page 5 with the following amended section:

a4 Circuit 16 comprises momentary relay contacts KIA and KIB (solid state switch can be used) and monostable multivibrator 50, the contacts KIA and KIB being closed when one-shot 50 is triggered - this occurs for approximately one second upon system power up. At this time, initialization circuit 16 shorts out 20 megohm resistor 71 causing capacitor 72 ~~charges~~ to charge rapidly to the circuit operating point (approximately 1.5 volts).
